

CLAIMS

We claim:

1. A method for determining the performance of a data processing system wherein processing is started by a first data processing device and finished by a second data processing device which may have separate clocks that are not synchronized, the method comprising the steps of:

by a logging device, receiving a first notification when processing is started by the first data processing device;

generating process start time data using a clock of the logging device, wherein the process start time data includes time of receipt by the logging device of the first notification;

by the logging device, receiving a second notification when the processing is finished by the second data processing device;

generating process end time data using the clock of the logging device, wherein the process end time data includes time of receipt by the logging device of the second notification; and

calculating processing time by comparing the process start time data and the process end time data.

2. The method of claim 1, wherein the first notification includes input data entered when processing is started by the first data processing device.

3. The method of claim 2, wherein the second notification includes the input data.

4. The method of claim 2, wherein the process start time data and the process end time data are associated with each other using the input data.

5. The method of claim 1, further including the step of recording the first notification on a recording medium.

6. The method of claim 1, further including the steps of:

recording the process start time data on a recording medium;
and

recording the process stop time data on the recording medium.

7. The method of claim 1, wherein the first notification includes information from a second logging device.

8. The method of claim 1, wherein the first notification includes information captured from a network when processing is started by the first data processing device.

9. The method of claim 8, wherein the process start time data and the process end time data are associated with each other using the information captured from the network.

10. The method of claim 1, wherein the second notification includes information captured from a network when processing is finished by the second data processing device.

11. The method of claim 10, wherein the process start time data and the process end time data are associated with each other using the information captured from the network.

12. The method of claim 1, wherein the first notification and the second notification are transmitted using Transmission Control Protocol.

13. The method of claim 1, wherein the first notification and the second notification are transmitted using User Datagram Protocol.

14. A data processing system comprising:

a first data processing device that starts processing;

a second data processing device for finishing processing; and

a logging device; wherein the logging device comprises

logic for receiving a first notification when processing

is started by the first data
processing device;

logic for generating process start time data using a
clock of the logging device,
wherein the process start time data includes time of receipt
by the logging device of the first notification;

logic for receiving a second notification when
processing is finished by the second
data processing device; and

logic for generating process end time data using the clock of
the logging device,
wherein the process end time data includes time of receipt by
the logging device of the second notification.

15. The data processing system of claim 14, wherein the logging
device further includes logic for calculating processing time by
comparing the process start time data and the process end time
data.

16. A data logging system, comprising:

logic for receiving a first notification when processing is started by a first data processing device;

logic for generating process start time data using a clock of the logging system,
wherein the process start time data includes time of receipt by the logging system of the first notification;

logic for receiving a second notification when processing is finished by a second data processing device; and

logic for generating process end time data using the clock of the logging system,
wherein the process end time data includes time of receipt by the logging system of the second notification.

17. Programmable media containing programmable software for measuring the performance of a data processing system wherein processing is started by a first data processing device and finished by a second data processing device which may have

separate clocks that are not synchronized, the programmable software comprising the steps of:

receiving a first notification when processing is started by the first data processing device;

generating process start time data using a logging lock, wherein the process start time data includes time of receipt of the first notification;

receiving a second notification when the processing is finished by the second data processing device;

generating process end time data using the logging clock, wherein the process end time data includes time of receipt of the second notification; and

calculating processing time by comparing the process start time data and the process end time data.